

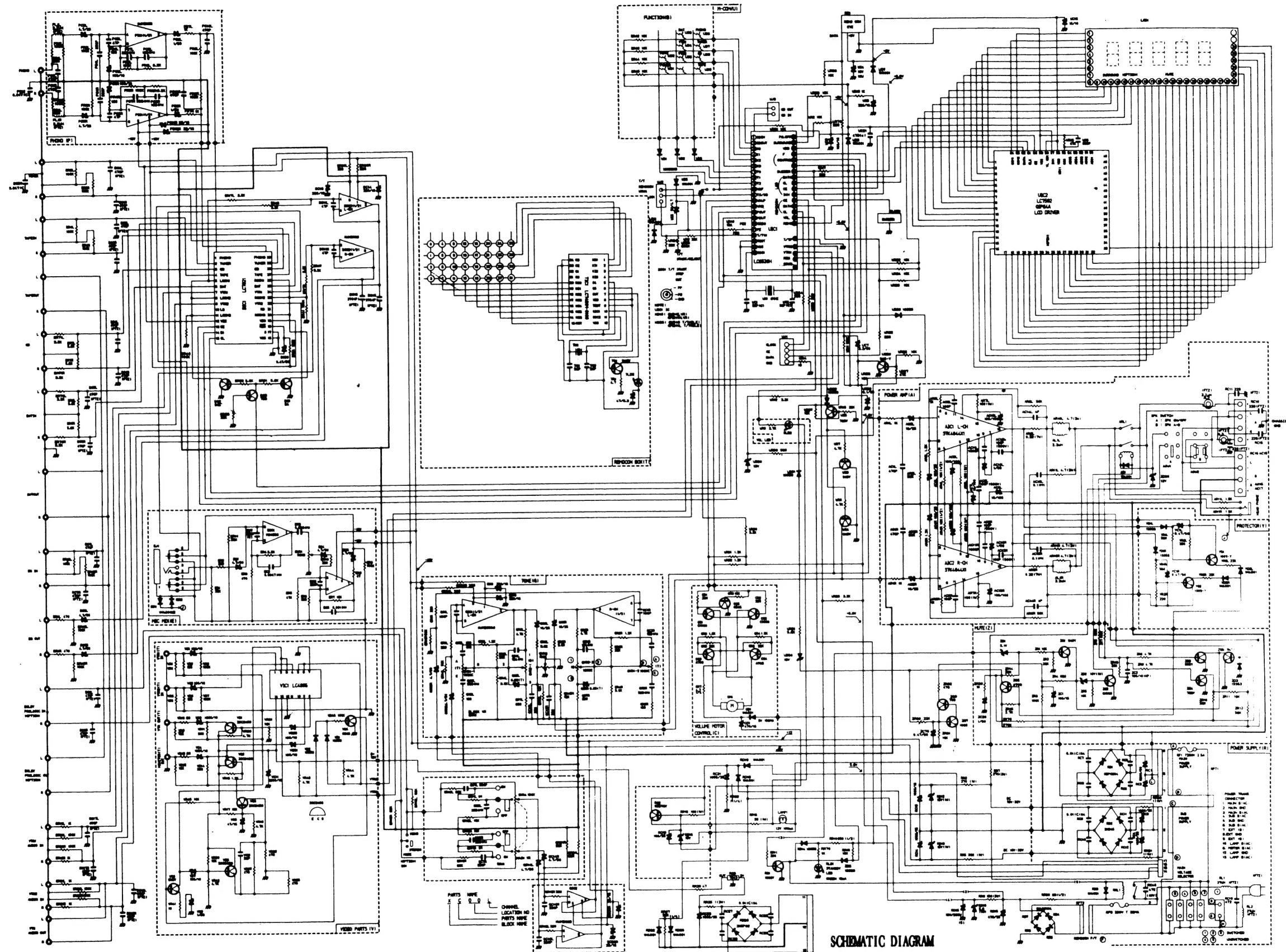
5

# **UNIVERSUM**

## **V46012**

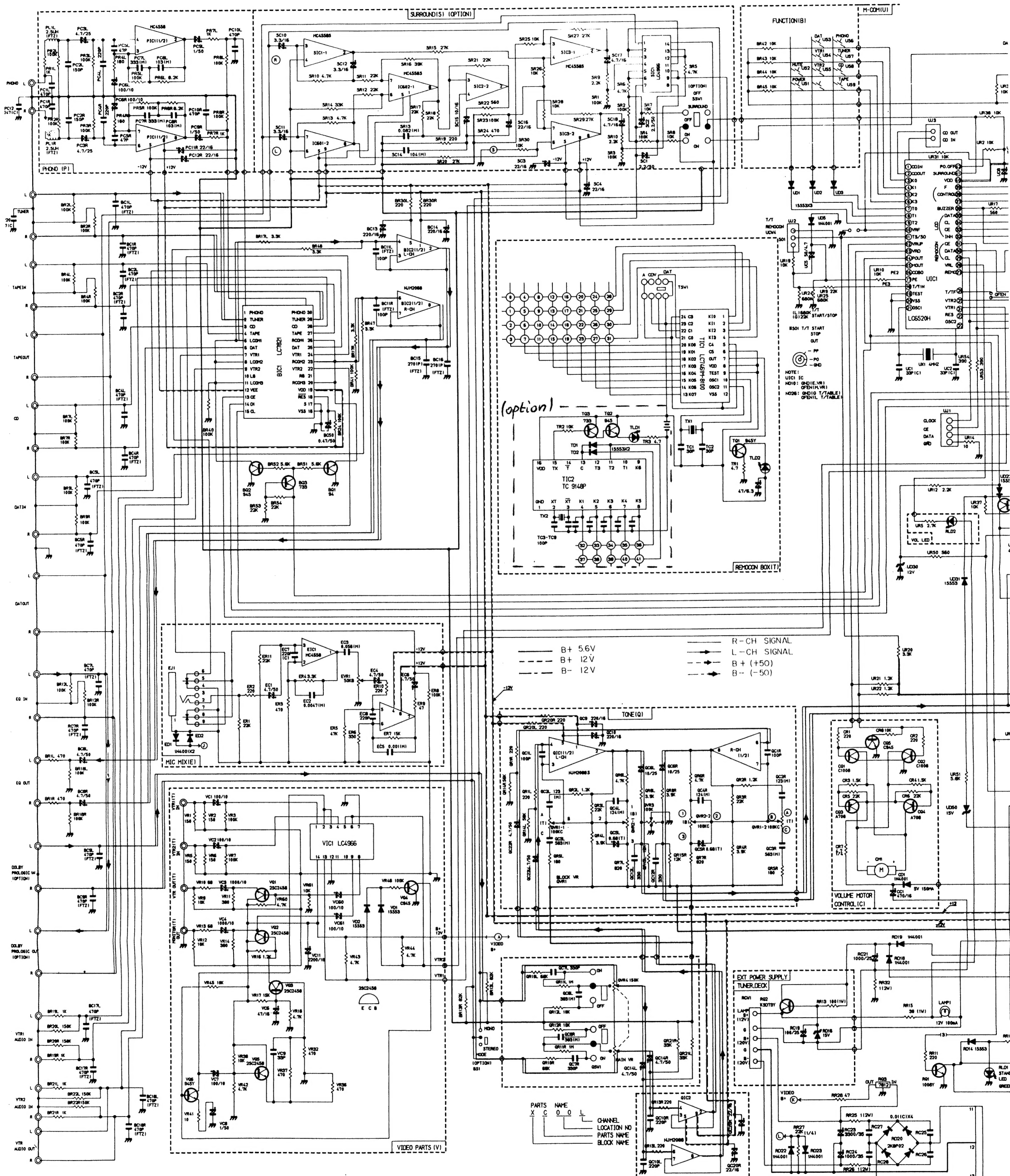
### **066.369.0**

# SCHALTBILD



Änderungen vorbehalten.

# IC DIAGRAM

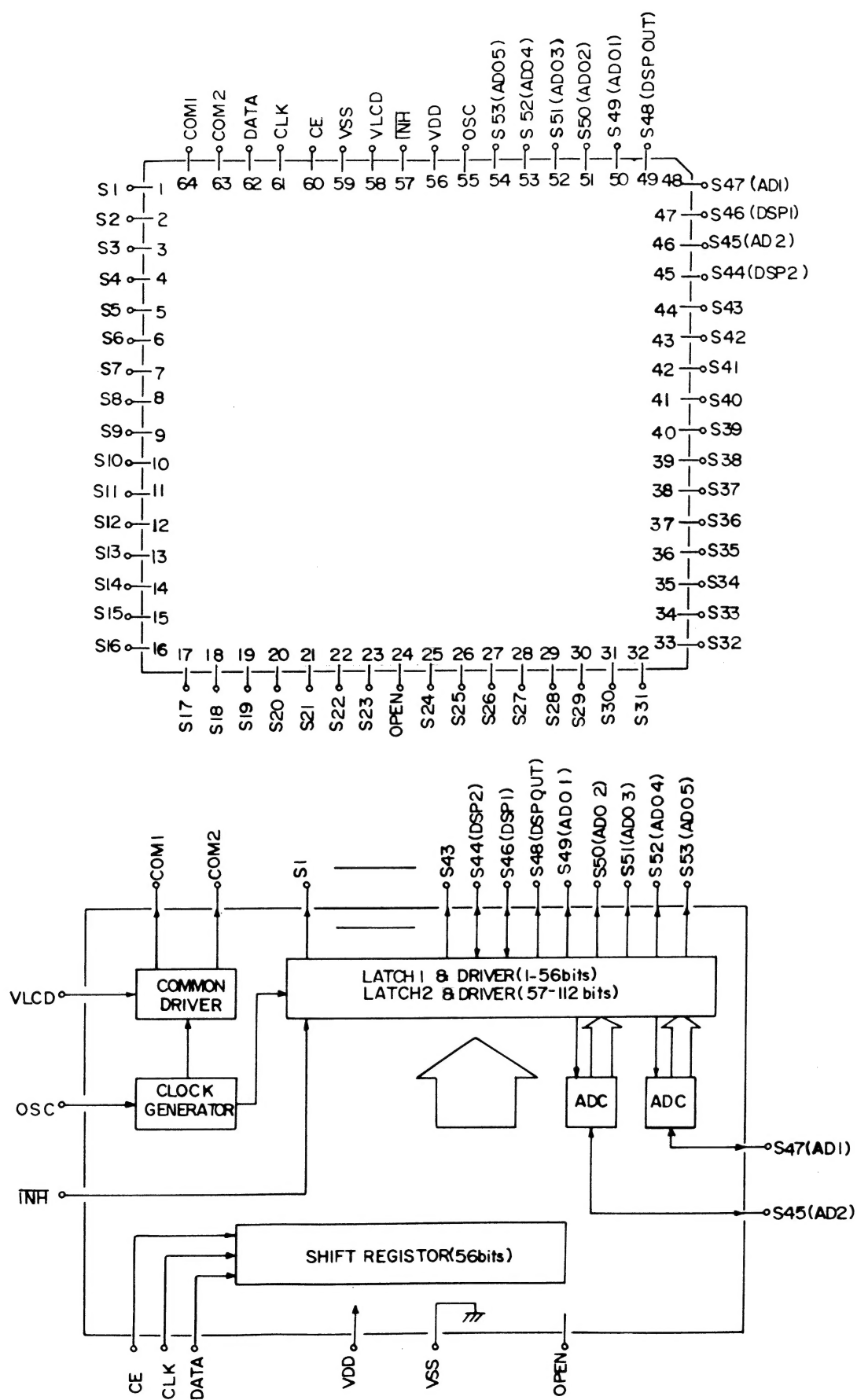


- The unit of all resistor is  $\Omega$  (K = K  $\Omega$ , M = M  $\Omega$ ).  
All resistors are 1/4W or 1/8W unless otherwise stated.
- The unit of all capacitors is  $\mu F$ , P = PF.
- The specification described in the circuit change for quality improvement.

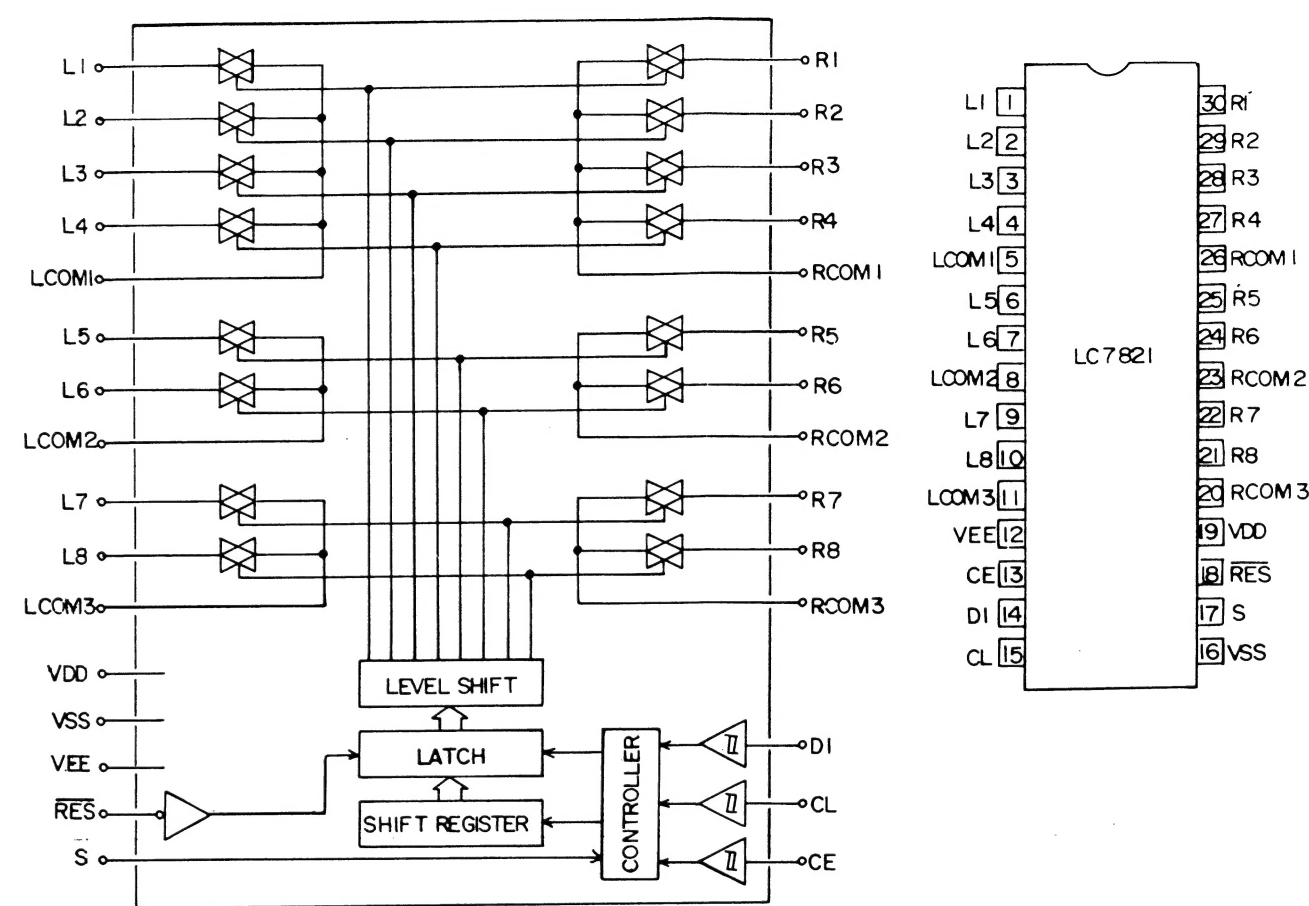




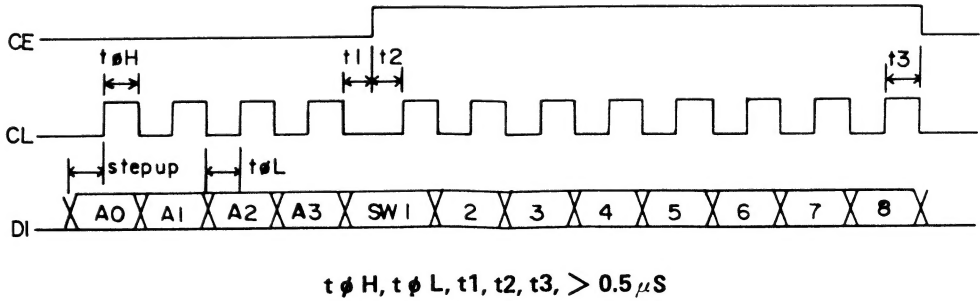
7. LC 7582A (UIC2): LCD DRIVER



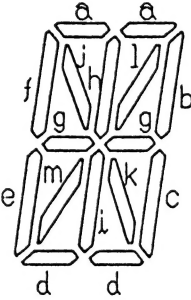
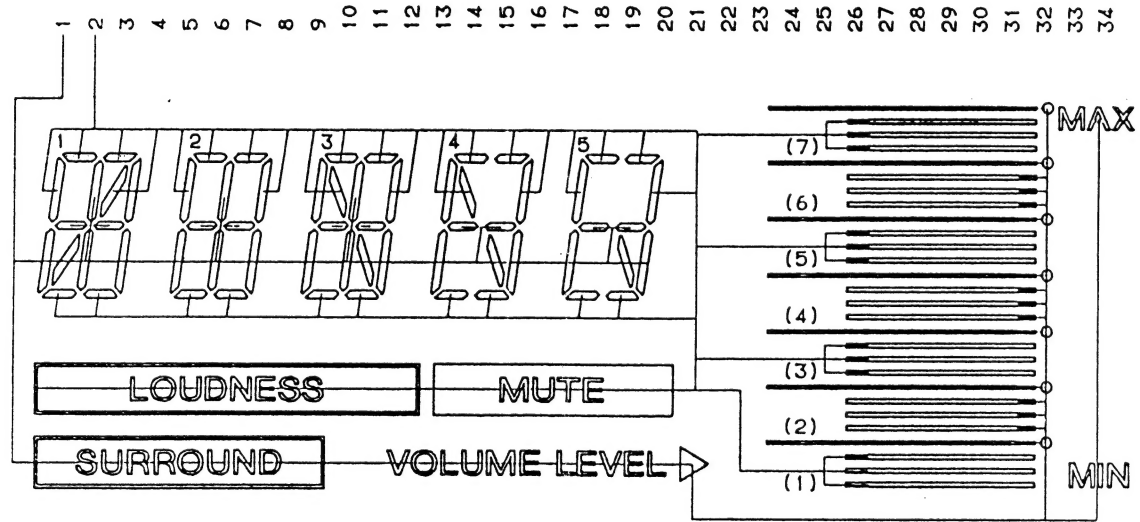
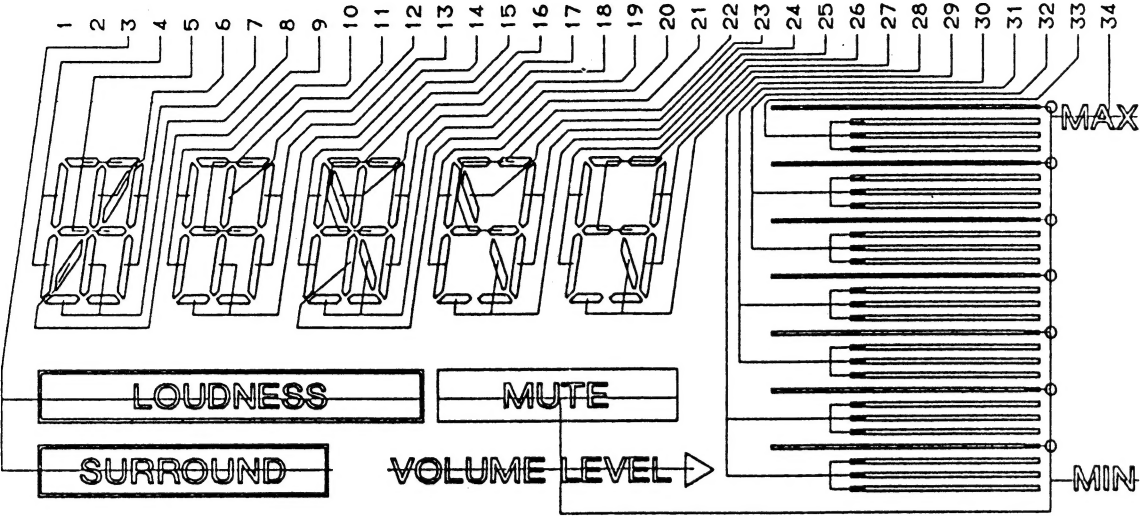
8. LC 7821 (BIC1): IC-FUNCTION



TIMING CHART



9. LCD 8086MJP (LCD1: LCD DISPLAY)



NO	COM1	COM2
1	—	COM
2	COM	—
3	LOUD- NESS	SURR- OUND
4	1 f	1 e
5	1 a	1 g
6	1 l	1 h
7	1 b	1 c
8	1 d	1 i
9	—	1 m
10	2 f	2 e
11	2 a	2 g
12	—	2 h
13	2 b	2 c
14	2 d	2 i
15	3 f	3 e
16	3 a	3 g
17	3 j	3 h
18	3 b	3 c
19	3 d	3 k
20	—	3 i
21	4 f	4 e
22	4 a	4 g
23	4 j	—
24	4 b	4 c
25	4 d	4 k
26	5 f	5 e
27	5 a	5 g
28	5 b	5 c
29	5 d	5 k
30	(1)	(2)
31	(3)	(4)
32	(5)	(6)
33	(7)	—
34	MUTE	1)

## 12. IC PIN'S VOLTAGE READINGS

### 1. LC 6520H (UIC1) \* TEST CONDITION: TUNER MODE

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VOLTAGE	4.7	0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	0	0.34	0.35	0.99	0.22	0.8	0
PIN NO.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
VOLTAGE	0	0	0	2	2	5	0	0	0	4.7	0.146	4.6	4.6	2	4.7	0.6	0.1
PIN NO.	35	36	37	38	39	40	41	42									
VOLTAGE	0.19	0.378	0	0	0	4.9	4.3	0									

### 2. LC 7821 (BIC1)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VOLTAGE	0	0	0	0	0	0	0	0	0	0	-12.5	0	0	0	0	0	0
PIN NO.	18	19	20	21	22	23	24	25	26	27	28	29	30				
VOLTAGE	0	12.5	0	0	0	0	0	0	0	0	0	0	0				

### 3. STK 4044XI (AIC1, AIC2)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
VOLTAGE	-0.2	-0.2	0	-54	-54	-0.8	1.2	54.5	-1.2	-1.2	55	-56.5	0	56.7	55.5

### 4. NJM 2068SD (BIC2, QIC1, QIC2)

IS LOCATION NO.	PON NO.	1	2	3	4	5	6	7	8	9
BIC2	VOLTAGE	0	0	0	0	-12.5	0	0	0	12.5
QIC1	VOLTAGE	12.5	0	0	0	-12.5	0	0	0	0
QIC2	VOLTAGE	12.5	0	0	0	-12.5	0	0	0	0

### 5. LC 4966 (VIC1)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	4.7	9.47	9.4	4.8	0.1	0.1	0	0	6.75	0.4	0.7	0	0.1	10

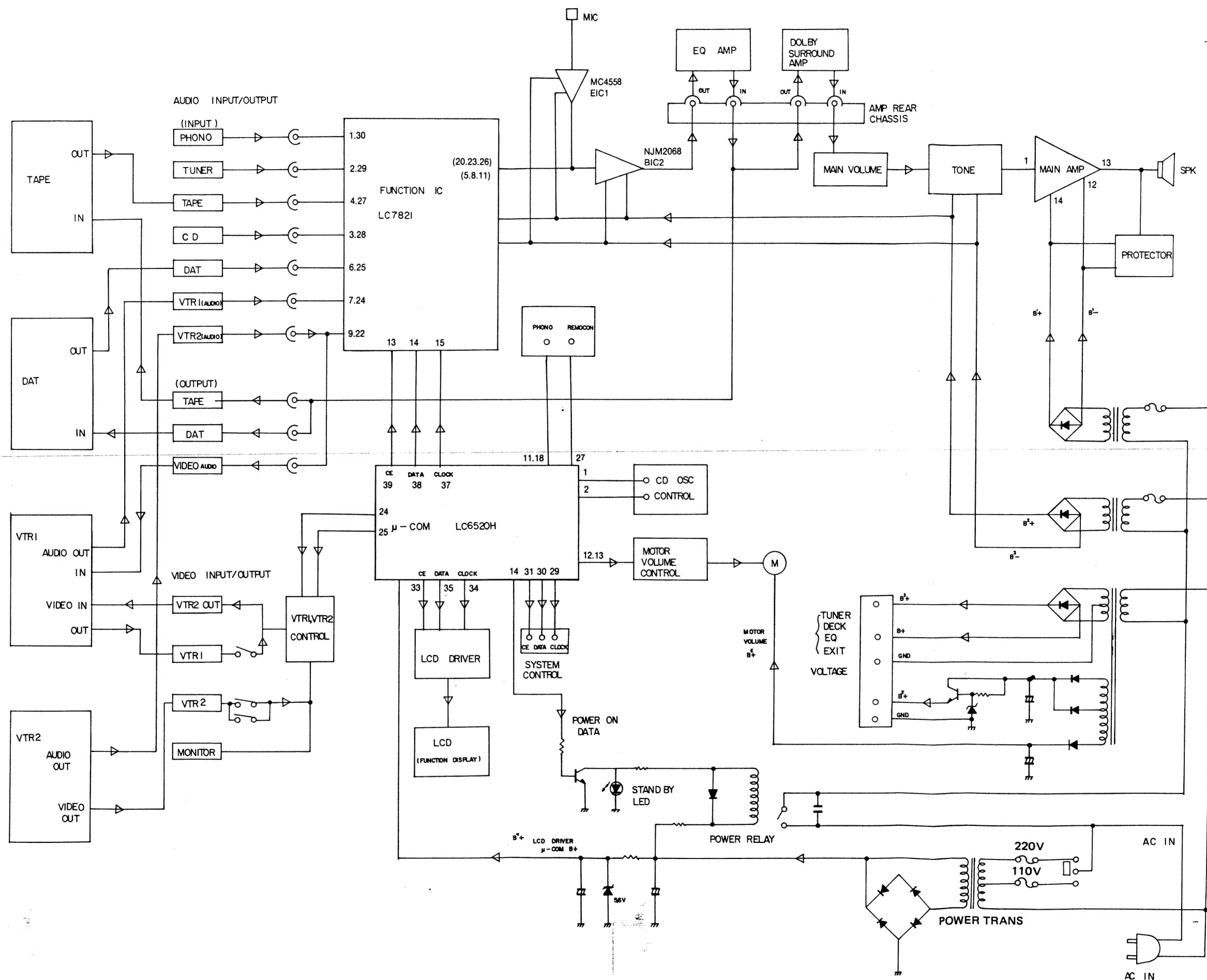
### 6. MC4558 (EIC1)

PIN NO.	1	2	3	4	5	6	7	8
VOLTAGE	0	0	0	-12.5	0	0	0	12.5

### 7. LC 7582 (UIC2)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VOLTAGE	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
PIN NO.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
VOLTAGE	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
PIN NO.	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
VOLTAGE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
PIN NO.	52	53	54	55	56	57	58	59	60	61	62	63	64				
VOLTAGE	2.3	2.3	2.3	3.6	4.7	4.7	4.7	4.8	0	0.64	0.2	2.4	2.4				

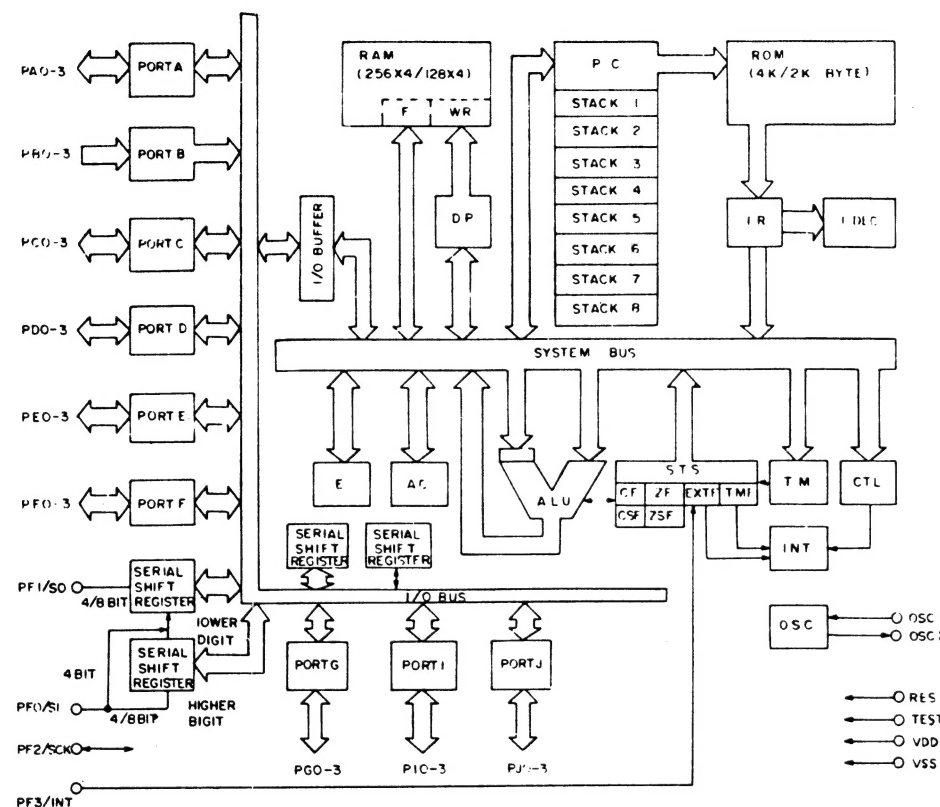
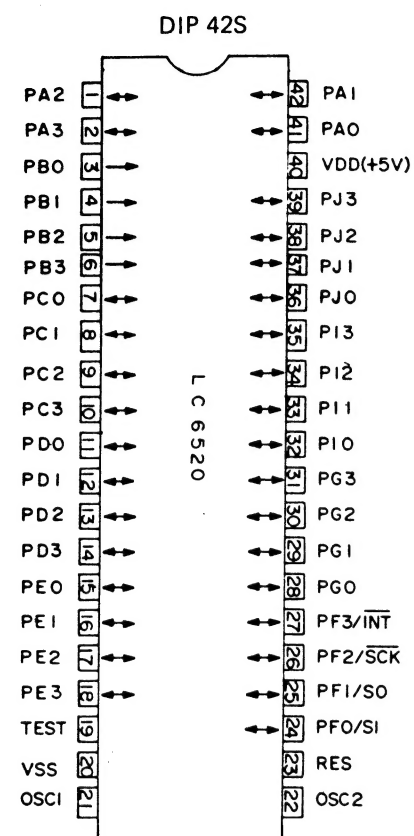
## 7. BLOCK DIAGRAM



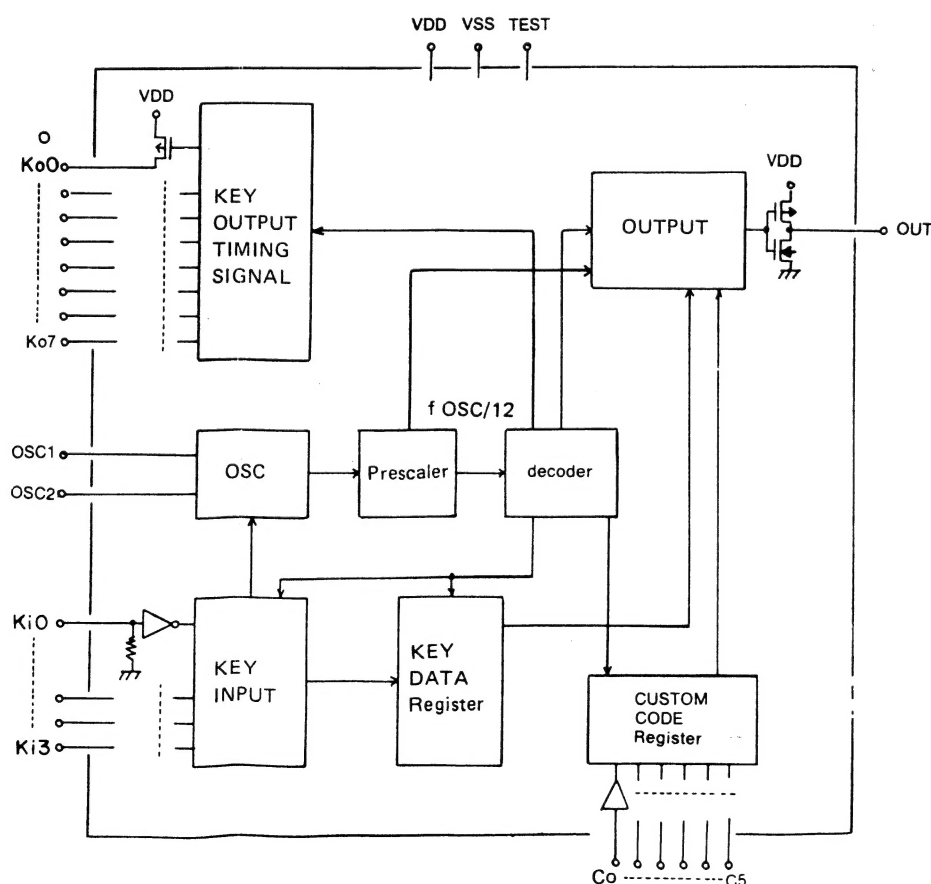
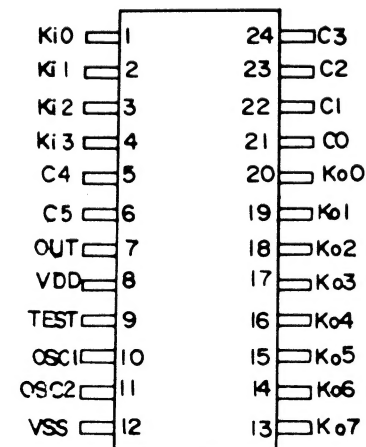


## 11. TR, IC, LCD LEAD LAYOUT

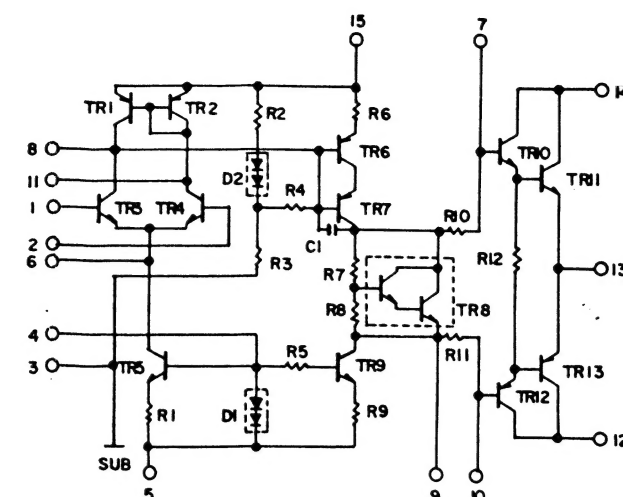
### 1. LC6520H (UIC1: MICOM)



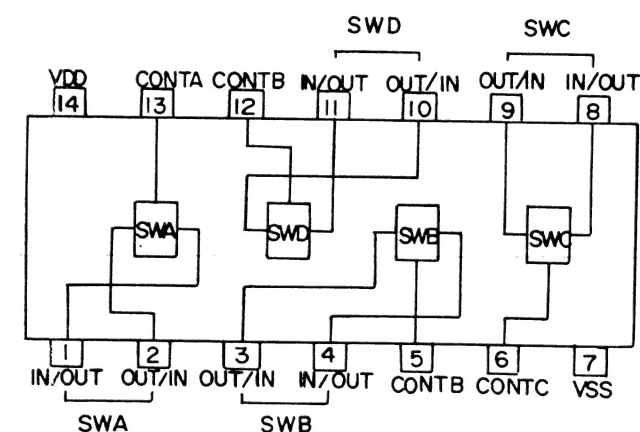
## 2. LC7461M (TIC1)



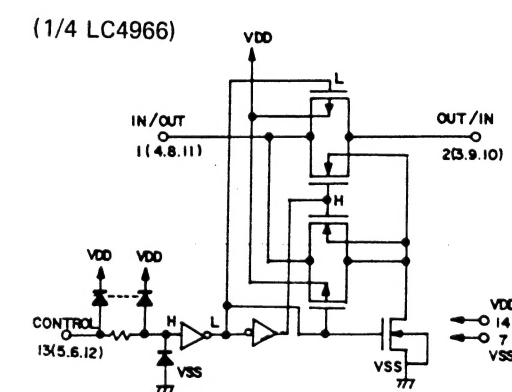
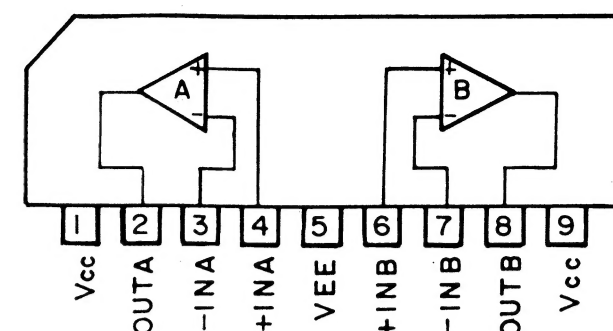
### 3. STK4044XI (AIC1, AIC2): IC-POWER



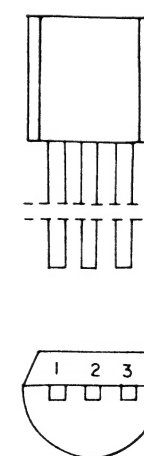
#### 5. LC4966 (VIC1, SIC1): IC-SWITCH



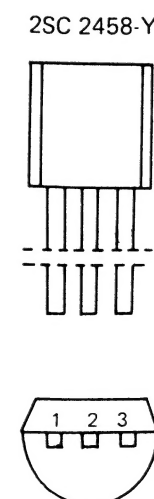
4. NJM2068SD (BIC2, QIC1)  
MC4558S (EIC1, BIC3, IC501, IC601)  
IC602, IC603, QIC2)



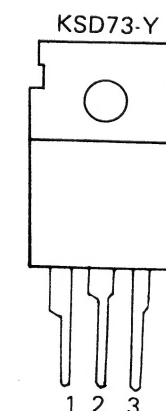
6. KSA733-Y/KSC945-Y  
/KSC1008-Y/KSA708-Y



1. EMITTER
2. BASE
3. COLLECTOR



1. EMITTER
2. COLLECTOR
3. BASE



1. BASE
2. COLLECTOR
3. EMITTER